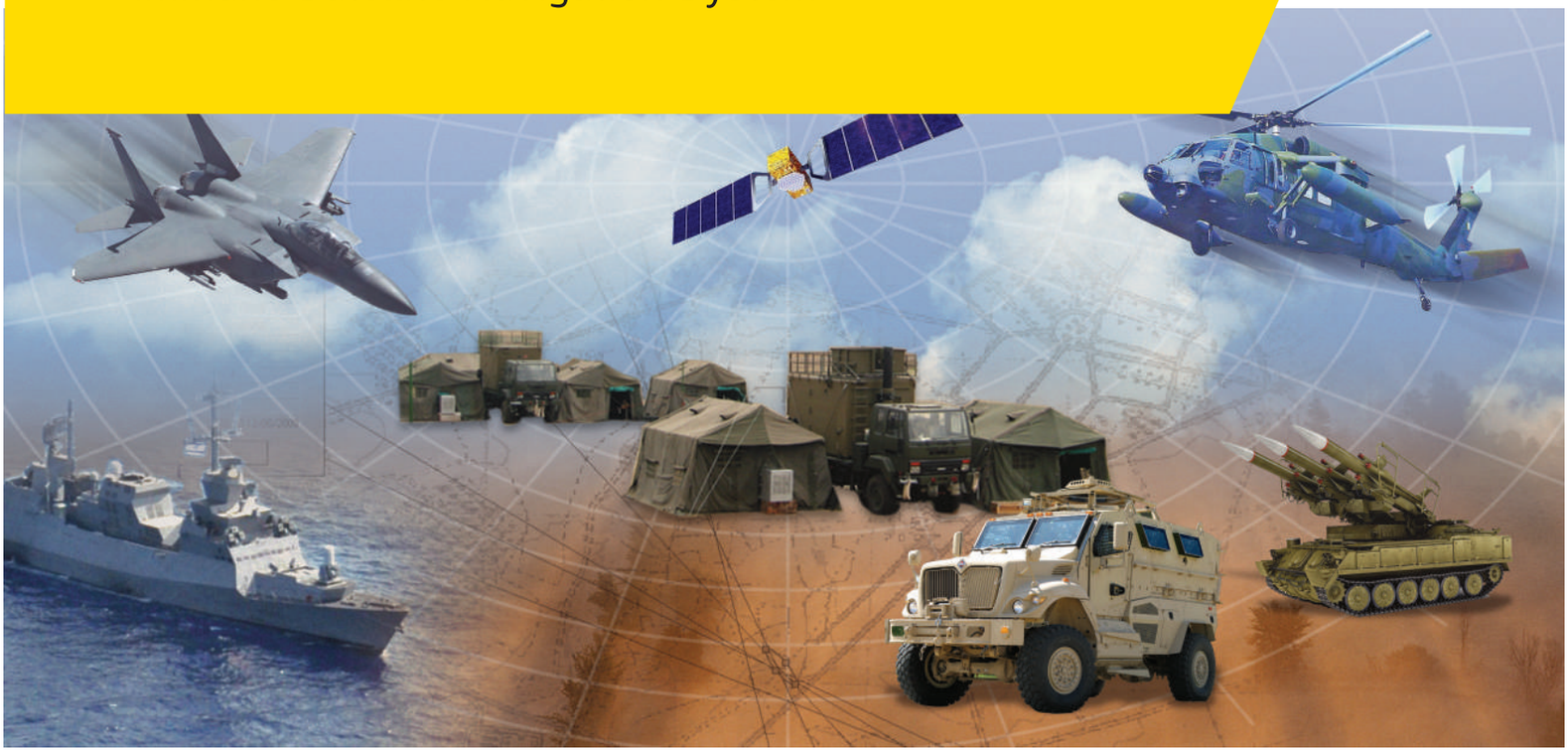
iSNS

Immune Satellite Navigation System



Overview

GPS/GNSS ECCM SYSTEM

- Enabling Uninterrupted GPS Receiver Operation
- Effective Jamming Immunity
- Multi-Platform, Multi-Application
- Modular & Customizable
- Minimal Integration

Elbit Systems™
EW and SIGINT - Elisra

iSNS

Immune Satellite Navigation System

Elbit Systems EW and SIGINT-Elisra's iSNS is an exceptionally effective GPS/GNSS ECCM system that enables reliable, non-stop GPS/GNSS operation. The sophisticated iSNS solution provides full jamming immunity for multiple satellite channels, and handles multiple interfering signals and/or jammers operating on concurrent frequencies.

Utilizing the null-steering principle, iSNS enables immediate availability and uninterrupted communications, and provides superior performance due to the maximization of RF and digital capabilities. Delivering a unique level of flexibility, the iSNS works with all types of GPS receivers, offering extensive protection from jamming - without prior knowledge of GPS satellite locations or GPS receiver antenna locations, and despite any antenna heading/pitch/roll. Requiring minimal integration with the GPS receiver, the system can be installed as a completely independent add-on kit.

Modular and cost-effective, the iSNS is designed for use in a wide variety of land, air and sea applications - including UAS, fighters, and submarines. Its small footprint enables adaptation for compact platforms. Unlike other systems that saturate at distances of several miles, Elbit Systems' solution enables platforms to continually navigate while close to enemy jammers.

Targeted to end-users, integrators and OEMs, the iSNS is ideal for military and civilian airborne platforms, remotely operated vehicles, armored fighting vehicles, artillery C4I systems, mobile C4ISTAR systems and naval vessels.

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